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PTO/SB/068 (10-01)
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/657,824
		Filing Date	09/09/2003
		First Named Inventor	LEE
		Group Art Unit	2821
		Examiner Name	
Sheet 1 of 2	Attorney Docket Number	CRS110US	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
H✓		Filippov, V. et al., "The First Dual-Depth Dual-Frequency Choke Ring," Proceedings of ION, Sept. 1998.	
N		Gao, S. et al, "A Broad-Band Dual-Polarized Microstrip Patch Antenna With Aperture Coupling," IEEE Transactions on Antenna Propagation, Vol. 51, No. 4, April 2003, pp. 898-900.	
H✓		Klefenz, F. et al, "Aperture-coupled stacked microstrip antenna with dual polarization and low back-radiation for X-band SAR applications," Radio and Wireless Conference, 2000. RAWCON 2000, Sept. 2000, pp. 179 - 182.	
H✓		Lo, Y. T. et al., "Theory and Experiment on Microstrip Antennas," IEEE Transactions on Antennas and Propagation, Vol. 27, No. 2, March 1979, pp. 137-145.	
H✓		Lee Y. et al., "Multiband L5 Capable GPS Antenna," Proceedings of ION, Sept. 2003.	
H✓		Pozar, M. et al., "A Dual-Band Circularly Polarized Aperture-Coupled Stacked Microstrip Antenna for Global Positioning Satellite," IEEE Transactions on Antennas and Propagation, Vol. 45, No. 11, Nov. 1997, pp. 1618-1625.	

Examiner Signature		Date Considered	10/12/04
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>		Application Number	10/657,824
		Filing Date	09/09/2003
		First Named Inventor	LEE
		Group Art Unit	2821
		Examiner Name	
Sheet 2 of 2	Attorney Docket Number	CR510145	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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H✓		Targonski, S. D. et al., "An aperture coupled stacked patch antenna with 50% bandwidth," Antennas and Propagation Society International Symposium, 1996. AP-S. Digest, July 1996, pp. 18 - 21.	
H✓		Targonski, S. D. et al., "Design of Wide-Band Aperture-Stacked Patch Microstrip Antennas," IEEE Transactions on Antennas and Propagation, Vol., 46, No. 9, Sept. 1998, pp. 1245-1251.	
H✓		Targonski, S. D., et al., "Wideband aperture coupled microstrip patch array with backlobe reduction," Electronics Letters, Vol. 33, No. 24, Nov. 1997, pp. 2005-2006.	
H✓		Wang, J. et al., "Multifunctional Aperture Coupled Stacked Antenna," Antennas and Propagation Society International Symposium, 1991. AP-S. Digest, 24-28 June 1991, pp. 727 - 730.	

Examiner Signature	<i>[Signature]</i>	Date Considered	12/12/04
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Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/657,824
		Filing Date	SEPT 9 2003
		First Named Inventor	YOUNG LEE
		Art Unit	2821
		Examiner Name	
Sheet 1 of 1	Attorney Docket Number	CRS101US	

U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No. 1	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number - Kind Code ² (if known)					
HJ		US-	6445354	09	2002	KUNYSZ	
		US-	6452560	09	2002	KUNYSZ	
		US-	6480170	11	2002	LANGLEY et al.	
		US-	6492947	12	2002	ANDERSON	
		US-	6549167	04	2003	YOUN	
		US-	6606061	08	2003	WONG et al.	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code ³	-Number ⁴ - Kind Code ⁵ (if known)				

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PTO/SB/08A (10-01)
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/657,824
		Filing Date	SEPT 9, 2003
		First Named Inventor	YOUNG JAE LEE
		Art Unit	2821
		Examiner Name	
Sheet 1 of 1	Attorney Docket Number	CRS 0105	

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HU ↕ HU		US-4827271	05-1989	BERNEKING et al	
		US-4847625	07-1989	DIETRICH et al	
		US-5025264	06-1991	STAFFORD	
		US-5241321	08-1993	TSAO	
		US-5448250	09-1995	DAY	
		US-5635942	06-1997	KUSHIHI et al	
		US-5635848	01-1999	IWASAKI	
		US-			
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FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	-Number ⁴ - Kind Code ⁵ (if known)				

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		Filing Date	SEPT 9, 2003
		First Named Inventor	YOUNJAE LEE
		Art Unit	2821
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		Number - Kind Code ² (if known)					
H ↓ A		US-	5945950	08	1999	ELBADAWY	
		US-					
		US-	6054953	04	2000	LINDMARK	
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		US-	6100855	08	2000	VINSON et al.	
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		US-	6208309	03	2001	CHANDLER et al.	
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		US-	6278407	08	2001	ASHJAE et al.	
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		US-	6326923	12	2001	SHIGIHARA	
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